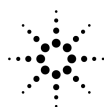
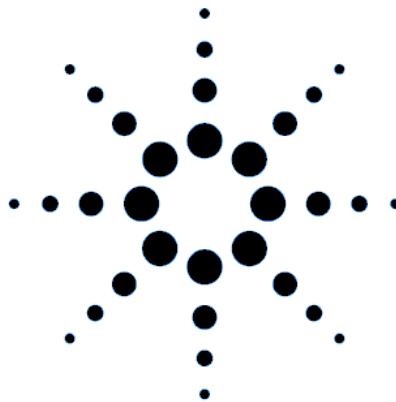


ADDENDUM
to the
Agilent Model 6813B
User's Guide and Service Manual
for the
2000 VA Output Capability Option 019



Agilent Technologies

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2000 VA Output Capability

The 2000 VA Output Capability Option 019 is available on the following ac source model:

Agilent 6813B Option 019 AC Power Source (2000VA)

Option 019 increases the output VA capability of the standard Agilent 6813B AC Power Source from 1750 VA to 2000 VA. To achieve the increased output VA capability, the output rms voltage, dc voltage and rms current ratings have increased slightly, to the maximum ratings documented in Table A-1. The primary restriction that this increased output imposes on Option 019 units as compared to standard units, is the reduction in the output frequency range to between 45 and 100 Hz.

Specifications for Option 019

Table A-1 lists the specifications changes for units with Option 019. Performance specifications are warranted over the ambient temperature range of 0 to 40 °C. Unless otherwise noted, specifications are for a sinewave with a resistive load at a frequency range of 45 Hz to 100 Hz, after a 30-minute warmup.

Table A-1. Performance Specifications

Parameter		Agilent 6813B Option 019
Phases:		1
Maximum Output Ratings	Power (VA): dc Power (Watts): rms Voltage: dc Voltage: rms Current (in real-time mode): dc Current: Repetitive peak Current: Non-repetitive peak Current (inrush): Crest Factor (current):	2000 VA 1500 W 308 V ± 436 V 16 A 10 A 48 A 48 A 3 @ 16 A (crest factor higher at lower currents)
Output Frequency Range:		dc; 45 Hz–100 Hz
Programming Accuracy (rms detection mode @ 25°C±5°C), ±(% of output+offset)	rms Voltage (45–100 Hz): Frequency: dc Voltage:	0.15% + 0.3 V 0.01% + 10 µHz 0.5% + 0.3 V
Measurement Accuracy (@25°C ±5°C), ± (% of output + offset)	rms Voltage (45–100 Hz): Frequency: dc Voltage:	0.03% + 100 mV 0.01% + 0.01 Hz 0.03% + 150 mV

Table A-2. Supplemental Characteristics

Parameter	Agilent 6813B (019)
ac Input Voltage Range (Vac):	191–254 Vac (230 Vac nominal)

Verification and Calibration for Option 019

There are no changes to the output verification and calibration sections of the User's Guide for units with Option 019.

Option 019 Factory Modifications

Make the following changes to the Agilent 6813B Service Manual (p/n 5962-0859) for Agilent 6813B Option 019 units.

Initialization

For ROM revision A.00.07, change step 3 to “Scroll to **6813J02** and press Enter”.

NOTE: Option J02 and Option 019 are identical; the J02 option was renamed option 019. After an Agilent 6813B Option 019 Rev A.00.07 has been re-initialized, the number <1002> will be returned by a *OPT? query.

For ROM revision A.00.08 or higher, change step 3 to “Scroll to **6813B19** and press Enter”.

NOTE: An Agilent 6813B Option 019 Rev A.00.08 will return <019> for a *OPT? Query.

Replaceable Parts

Add or change the following part numbers in the parts list:

Reference Desig.	Part Number	Description
A4	5064-0081	AC Input Assembly Tested
A4 C1060 - C1067	0180-4963	Capacitor 3300uF 200V
A9	5064-0083	Output/Relay/Filter Assembly Tested
A9 R552 – R553	0698-3156	Resistor 14.7K 1%
A10	5064-0079	Control Assembly Tested
	5964-8149	Appendix Option 019
	9320-5540	Label-Information